Juvenile Justice Application Development Environment[1]

Application Development Software

Over the years, a wide variety of application development tools have been used to produce departmental and regional application systems. Traditional large-scale applications have been implemented on the IBM ES9000-series mainframe platforms housed at Teale. The bulk of these have been developed using a combination of 3rd- and 4th-generation languages (COBOL, Assembler, Natural) to run on the mainframe using the ADABAS database management system. Departmental and regional application systems have mostly been built using 4D (4th Dimension) on Macintosh hardware, or FoxPro on Intel/Windows platforms. The Department uses Web objects, WebSphere, SQL, and Access for business functions such as restitution tracking, accounting, and management information reports.

To date, the Department has purchased commercial-off-the-shelf software (COTS) packages used to support kitchen/nutrition management and pharmacy operations.

Supporting IT Applications

Application Name	System Objective	High-Level Business Functions
CIPS Correctional Institution Pharmacy System	• To track medications prescribed to offenders, including the prescribing doctor, the administering healthcare professional, the location where the prescription took place, and the drug itself (with any contraindications).	• Medical Treatment
EES *Education and Employability Summary*	• To track education and employment history on every offender to assist in job placement after release from the institution.	• Treatment • Parole
IWEN *Individuals with Special Education Needs*	• To track special needs programs for individual students.	• Treatment
Misc. Education Files & Tracking Systems/ Achievement Data System	• To track grade-equivalency scores of offenders.	• Treatment
OBITS *Offender Based Information Tracking System*	• To provide intake screening in the CYA • To track offender movements throughout the institutions, camps, and parole locations from date of referral to date of discharge. • To record information such as demographic characteristics, commitment and referral data, YOPB order data, activity data, jurisdiction and confinement time history for each offender and for all offenders discharged during the last seven years.	• Intake • Evaluate • Assign Program • Treatment • Parole

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Application Name	System Objective	High-Level Business Functions
PMC *Population Management Center System*	• To document the transportation of offenders. • To track ethnic counts within each institution. • To provide a weekly case hearing inventory report to YOPB.	• Treatment • Offender Movements • Transportation • Counts
Victims Tracking—Reporting system	• To track information on victims and offenders when victim restitution is owed or victim notification is required.	• Victim Services
Offender Trust	• To manage trust moneys for offenders who receive Social Security benefits. • To manage moneys for the offenders participating in Free Venture programs. • To maintain average daily balance for each offender and post interest to each active account each quarter.	• Treatment • Records Management
WIN *Offender Information*	• To support operations activities at CYA facilities • To track treatment requirements, disciplinary actions, and movement history • To track offender information such as transfers and gang affiliation	• Intake • Evaluate • Assign Program • Treatment • Parole
YODA *Youthful Offender Database Application*	• To support parole services	• Parole